

Datasheet for ABIN1424683
anti-CDH18 antibody (PE-Cy5.5)



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Overview

Quantity:	100 µL
Target:	CDH18
Reactivity:	Human, Mouse, Rat, Chicken, Cow, Dog, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDH18 antibody is conjugated to PE-Cy5.5
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CDH18
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse, Dog, Cow, Sheep, Pig, Horse, Chicken, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	CDH18
Alternative Name:	CDH18 (CDH18 Products)
Background:	Synonyms: CAD18_HUMAN, Cadherin 14, Cadherin14, Cadherin 18, Cadherin18, Cadherin 18, type 2, Cadherin-14, Cadherin-18, CDH14, CDH14L, CDH18, CDH24, EY CADHERIN.

Target Details

Background: The cadherins are a family of Ca²⁺-dependent adhesion molecules that function to mediate cell-cell binding events that are critical to the maintenance of cell structure and morphogenesis. EY-cadherin, also known as CDH18 (cadherin 18), CDH14 (cadherin 14), CDH24 or CDH14L, is a 790 amino acid single-pass type I membrane protein that contains five cadherin domains. One of several members of the cadherin superfamily, EY-cadherin functions as a type II classical cadherin that is expressed specifically in the central nervous system (CNS), where it plays a role in cell-cell binding events. Specifically, EY-cadherin is thought to be involved in axon guidance and outgrowth, as well as synaptic adhesion within the CNS. EY-cadherin contains a highly conserved C-terminal domain characteristic of all cadherins, but lacks the HAV cell adhesion sequence that is specific to type I cadherins. The gene encoding EY-cadherin is located within a region on chromosome five that is commonly deleted in carcinomas, implicating EY-cadherin as a potential tumor suppressor.

Molecular Weight: 88kDa

Pathways: [Cell-Cell Junction Organization](#)

Application Details

Application Notes: FCM(1:100-500)
Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months